

1. Approving Civil Aviation  
Authority/Country:  
**FAA/United States**

2.

**AUTHORIZED RELEASE CERTIFICATE**  
**FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**

3. Form Tracking Number:  
20200008020873Y15  
339193288

4. Organization Name and Address:  
Honeywell International Inc.  
11100 North Oracle  
Tucson, AZ 85737

Repair Station  
HZ3R571L

5. Work Order/Contract/Invoice Number:  
R373877  
339183135  
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001	LOGIC AND SPEED CONTROL UNIT	2119804-4	1	75-A1155	TESTED

**12. Remarks:**

THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:  
CMM 29-11-06 REV: 8, JUL/24/2017.

FOR TIME AND CYCLE INFORMATION, PLEASE SEE ATTACHED CAFE  
REPORT, IF APPLICABLE.

THIS DOCUMENT HAS BEEN ISSUED ACCORDING TO AN APPROVED  
COMPUTER GENERATED SIGNATURE PROCEDURE.

SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED  
CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE  
TO SERVICE UNDER EASA PART 145 APPROVAL NO. EASA 145.4132

13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: <i>John Wells</i>
13d. Name (Typed or Printed):	13e. Date(dd/mm/yyyy):	14c. Approval/Certificate No.: HZ3R571L
		14d. Name (Typed or Printed): John Wells
		14e. Date(dd/mm/yyyy): 26/MAR/2020

**User / Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.  
FAA FORM 8130-3 (02-14)

NSN : 0052 - 00 - 012 - 9005



ficcate Ref. N.

2. 产品状态  
Status/wo

INSPECTED /  
STED

3. the stated  
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n and con-

## ANALYTICAL CHECK SHEET FORM

**Honeywell**

Repair Facility :Oro Valley Contract Mfg Office  
Honeywell International Inc 11100 North Oracle Road  
TUCSON AZ 85737

Customer PO : R373877  
Notification No: 000339139459  
Outline No : 2119804-4  
Mod To Outline. :2119804-4

Customer : 300002 AJW AVIATION LTD  
Service Order No : 5014721218      Sales Order No : 9810819  
Serial No: 75-A1155  
Mod to S/N : 75-A1155      Model No. : 691 Advanced Controls

	Material	Serial No.	Disp	Qty	Description	Service Order #
IN	2119804-4	75-A1155	M	0	LOGIC AND SPEED CONTROL UNIT	5014724866
OUT	2119804-4	75-A1155	M			

REWORK CODE :

CONDITION CODE :

G00 NONE / NO FAULT FOUND (NFF)

ACCT IND :

ANALYST REMARKS :

Operators: 690000040  
Part No.: 2119804-4  
Program Name: 777 LSCU

Date: 03-25-2020  
Time: 08:18:46  
Page: 1

Serial No.: 75-A1155  
VDD: SW4206481-0104  
ATP: AT2119804-4 Rev: E

Paragraph	Minimum	Measured	Maximum	Units	Results
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Group 1: 4.6.1 Power Consumption Test

Data Sheet 2

4.6.1.3-2	27.5	28.4	28.5	Volts	PASS
4.6.1.3-2	0.0700	.105	.250	Amps	PASS
4.6.1.3-4	27.5	28.0	28.5	Volts	PASS
4.6.1.3-4	.9180	1.025	1.098	Amps	PASS
4.6.1.3-6	27.5	27.8	28.5	Volts	PASS
4.6.1.3-6	1.291	1.313	1.484	Amps	PASS
4.6.1.3-9	27.5	28.0	28.5	Volts	PASS
4.6.1.3-9	.9180	1.038	1.098	Amps	PASS

Group 2: 4.6.2 Reverse Voltage Test

Data Sheet 2

4.6.2.3-1	7.	7.	7.	BITE	PASS
BITE 1	-.50	.26	.50	VOLTS	PASS
BITE 2	-.50	.27	.50	VOLTS	PASS
BITE 3	-.50	.27	.50	VOLTS	PASS
4.6.2.3-2	0.0	0.0	0.0	BITE	PASS
4.6.2.3-4	7.	7.	7.	BITE	PASS

Group 3: 4.6.3 Initiated BIT Tests

Data Sheet 3

3.1.3-1	7.	7.	7.	BITE	PASS
3.1.3-2	1.	1.	1.	BITE	PASS
3.1.3-2	26.0	27.3	28.0	Volt	PASS
3.1.3-3	5.0	7.4	11.	Volt	PASS
3.1.3-4	5.	5.	5.	BITE	PASS
3.1.3-5	13.	15.	18.	Volt	PASS
3.1.3-6	5.	5.	5.	BITE	PASS
3.1.3-7	1.	1.	1.	BITE	PASS
3.1.3-8	1.	1.	1.	BITE	PASS
3.1.3-8	26.00	27.45	28.00	Volt	PASS
3.1.3-9	5.0	7.3	11.	Volt	PASS
3.1.3-10	5.	5.	5.	BITE	PASS
3.1.3-11	13.	15.	18.	Volt	PASS
3.1.3-12	5.	5.	5.	BITE	PASS
3.1.3-13	7.	7.	7.	BITE	PASS
3.2.3-1	7.	7.	7.	BITE	PASS
3.2.3-2	1.	1.	1.	BITE	PASS

Operator: 69000040  
 Part No.: 2119804-4  
 Program Name: 777 LSCU

Date: 03-25-2020  
 Time: 06:20:43  
 Page: 2

Serial No.: 75-A1135  
 VDD: SW4206481-0104  
 ATP: AT2119804-4 Rev: E

Paragraph	Minimum	Measured	Maximum	Units	Results
3.2.3-3	2.	2.	2.	BITE	PASS
3.2.3-4	1.	1.	1.	BITE	PASS

Group 4: 4.6.4 Overspeed Tests

Data Sheet 4 Para. 4.6.

4.3-1	7.	7.	7.	BITE	PASS
4.3-2	1.	1.	1.	BITE	PASS
4.3-4	3.	3.	3.	BITE	PASS
AUTO Solenoid = .0 Vdc					
4.3-6	1.	1.	1.	DisCont	PASS
4.3-6	5.	5.	5.	BITE	PASS
4.3-7	4.	4.	4.	BITE	PASS
4.3-8	5.	5.	5.	BITE	PASS
AUTO Solenoid = -.0 Vdc					
4.3-10	1.	1.	1.	DisCont	PASS
4.3-11	7.	7.	7.	BITE	PASS
AUTO Solenoid = 27 Vdc					
4.3-12	1.	1.	1.	Cont	PASS
ON Solenoid = 27 Vdc					
4.3-13	1.	1.	1.	Cont	PASS
ON Solenoid = -.0 Vdc					
4.3-15	1.	1.	1.	DisCont	PASS
ON Solenoid = 27 Vdc					
4.3-17	1.	1.	1.	Cont	PASS

Group 5: 4.6.5 Start-Up and Speed Ramp to Primary Control

Data Sheet 5

5.3-1	0.0	0.0	0.0	BITE	PASS
5.3-2	7.	7.	7.	BITE	PASS
5.3-3	.157	.273	.357	V	PASS
5.3-4	1.850	2.043	2.150	V	PASS
5.3-4	2.443	2.579	2.643	V	PASS
5.3-4	2.740	2.857	2.920	V	PASS
5.3-4	6.885	7.744	8.416	V/Sec	PASS
5.3-5	1.	1.	1.	BITE	PASS
5.3-5	4305.	4316.	4325.	Rpm	PASS

Operator: 69000040  
 Part No.: 2119804-4  
 Program Name: 777 LSCU

Date: 03-25-2020  
 Time: 08:23:01  
 Page: 3

Serial No.: 75-A1135  
 VDD: SW4206481-0104  
 ATP: AT2119804-4 Rev: E

Paragraph	Minimum	Measured	Maximum	Units	Results
5.3-5	1.	1.	1.	BITE	PASS

Group 6: 4.6.6 Primary Speed Control

Data Sheet 6

6.3-1	7.	7.	7.	BITE	PASS
6.3-2	1.	1.	1.	BITE	PASS
6.3-3	4305.	4316.	4325.	Rpm	PASS
6.3-4	1.177	1.274	1.377	V	PASS
6.3-4	6.885	7.744	8.416	V/Sec	PASS

Group 7: 4.6.7 Reserve Power Control

Data Sheet 7

7.3-1	7.	7.	7.	BITE	PASS
7.3-2	1.	1.	1.	BITE	PASS
7.3-3	4305.	4316.	4325.	Rpm	PASS
7.3-4	1.	1.	1.	BITE	PASS
7.3-4	5147.1	5161.2	5172.9	RPM	PASS
7.3.4	26.00	26.78	29.00	Volt	PASS
7.3-5	4305.	4316.	4325.	Rpm	PASS
7.3.5	-.50	0.019	.50	Volt	PASS
7.3-6	1.	1.	1.	BITE	PASS
7.3-6	5147.1	5161.2	5172.9	Rpm	PASS
7.3-7	6.	6.	6.	BITE	PASS
7.3-7	-.500	-0.0420	.500	VOLT	PASS
7.3-8	6.	6.	6.	BITE	PASS
7.3-9	1.	1.	1.	BITE	PASS
7.3-9	4305.	4316.	4325.	Rpm	PASS
7.3-10	1.	1.	1.	BITE	PASS
7.3-10	5147.1	5161.2	5172.9	Rpm	PASS
7.3-11	4305.	4316.	4325.	Rpm	PASS

Group 8: 4.6.8 Reconfiguration

Data Sheet 8

8.3-1	7.	7.	7.	BITE	PASS
8.3-2	1.	1.	1.	BITE	PASS
8.3-3	4305.	4316.	4325.	Rpm	PASS

Operator: 69000040  
Part No.: 2119804-4  
Program Name: 777 LSCU

Date: 03-25-2020  
Time: 08:25:28  
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Serial No.: 75-A1155  
VDD: SW4206481-0104  
ATP: AT2119804-4 Rev: E

Paragraph	Minimum	Measured	Maximum	Units	Results
8.3-4	6.	6.	6.	BITE	PASS
8.3-5	-1.00	0.000	1.00	mA	PASS
8.3-5	3957.	3960.	3965.	Rpm	PASS
8.3-6	3.	3.	3.	BITE	PASS
8.3-8	1.	1.	1.	BITE	PASS
8.3-8	4305.	4316.	4325.	Rpm	PASS

Group 9: 4.6.9 Normal Shutdown and Shutdown w/ Jammed HSCV

#### Data Sheet 9

9.3-1	7.	7.	7.	BITE	PASS
9.3-2	1.	1.	1.	BITE	PASS
9.3-3	4305.	4316.	4325.	Rpm	PASS
9.3-4	7.	7.	7.	BITE	PASS
9.3-5	1.	1.	1.	BITE	PASS
9.3-6	6.	6.	6.	BITE	PASS
9.3-6	4305.	4315.	4325.	Rpm	PASS

Group 10: 4.6.10 Loop Gain Tests

#### Data Sheet 10

10.3-2	-280.0	-145.5	-80.00	mA	PASS
10.3-2	9633.	9638.	9643.	Hz	PASS
10.3-2	4.80	5.02	5.20	VOLTS	PASS
10.3-3	0.000	217.	-----	mA	PASS
10.3-3	330.	363.	390.	mA	PASS
10.3-3	9428.	9433.	9438.	Hz	PASS
10.3-3	4.80	5.02	5.20	VOLTS	PASS
10.3-4	0.000	205.	-----	mA	PASS
10.3-4	301.	350.	401.	mA	PASS
10.3-4	9633.	9638.	9643.	Hz	PASS
10.3-4	3.50	3.71	3.90	VOLTS	PASS
10.3-5	150.	426.	500.	mA	PASS
10.3-5	9870.	9875.	9880.	Hz	PASS
10.3-5	2.80	3.01	3.20	VOLTS	PASS

Operator: 69000040	Date: 03-25-2020	Serial No.: 75-A1155
Part No.: 2119804-4	Time: 08:29:29	VDD: SW4206481-0104
Program Name: 777 LSCU	Page: 5	ATP: AT2119804-4 Rev: E

Paragraph	Minimum	Measured	Maximum	Units	Results
10.3-6	-500.	-432.	-300.	mA	PASS
10.3-6	12495.	12500.	12505.	Hz	PASS
10.3-6	-5.20	-5.04	-4.80	VOLTS	PASS

# Group 11: 4.6.11 Monopole Tests

## Data Sheet 11

11.3-1	765.0	770.0	775.0	HZ	PASS
11.3-2	16910.	16915.	16920.	HZ	PASS
11.3-3	1.	1.	1.	BITE	PASS
11.3-4	1.	1.	1.	BITE	PASS

# Group 12: 4.6.12 Continuous BITE Tests

## Data Sheet 12

12.3-1	7.	7.	7.	BITE	PASS
12.3-2	1.	1.	1.	BITE	PASS
12.3-3	4305.	4316.	4325.	Rpm	PASS
12.3-4	6.	6.	6.	BITE	PASS
12.3-5	2.	2.	2.	BITE	PASS
12.3-6	6.	6.	6.	BITE	PASS
3-7.5.2	3.	3.	3.	BITE	PASS
3-7.6.2	6.	6.	6.	BITE	PASS
3-7.5.3	3.	3.	3.	BITE	PASS
3-7.6.3	6.	6.	6.	BITE	PASS
3-7.5.4	3.	3.	3.	BITE	PASS
3-7.6.4	6.	6.	6.	BITE	PASS
3-7.5.5	3.	3.	3.	BITE	PASS
3-7.6.5	6.	6.	6.	BITE	PASS
3-7.5.6	3.	3.	3.	BITE	PASS
3-7.6.6	6.	6.	6.	BITE	PASS
3-7.5.7	3.	3.	3.	BITE	PASS
3-7.6.7	6.	6.	6.	BITE	PASS
3-7.5.8	3.	3.	3.	BITE	PASS
3-7.6.8	6.	6.	6.	BITE	PASS
3-7.5.9	3.	3.	3.	BITE	PASS
3-7.6.9	6.	6.	6.	BITE	PASS
3-7.5.10	3.	3.	3.	BITE	PASS
3-7.6.10	6.	6.	6.	BITE	PASS
3-7.5.11	5.	5.	5.	BITE	PASS
3-7.6.11	6.	6.	6.	BITE	PASS
3-7.5.12	5.	5.	5.	BITE	PASS
3-7.6.12	6.	6.	6.	BITE	PASS

Operator: 69000040  
 Part No.: 2119804-4  
 Program Name: 777 LSCU

Date: 03-25-2020  
 Time: 09:32:09  
 Page: 6

Serial No.: 75-A1155  
 VDD: SW4206481-0104  
 ATP: AT2119804-4 Rev: E

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Paragraph	Minimum	Measured	Maximum	Units	Results
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Group 13: 4.6.13 ON Solenoid Current Limiter Tests

Data Sheet 13

13.3-1	7.	7.	7.	BITE	PASS
13.3-2	1.	1.	1.	BITE	PASS
13.3-3	27.00	27.30	29.00	VOLT	PASS
13.3-4	7.	7.	7.	BITE	PASS
13.3-5	-.500	-0.00200	.500	VOLT	PASS
13.3-6	7.	7.	7.	BITE	PASS
13.3-7	-.5000	-.1040	.5000	VOLT	PASS
13.3-8	1.	1.	1.	BITE	PASS
13.3-9	27.00	27.27	29.00	VOLT	PASS

Group 14: LOCKOUT PREVENTION TEST

14.3-3	5.	5.	5.	BITE	PASS
14.3-5	7.	7.	7.	BITE	PASS
14.3-6	1.	1.	1.	BITE	PASS
14.3-6	27.00	27.33	29.00	Volt	PASS

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 \* Date \* Stamp \*  
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 \* MAR 25 2020 \*  
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AF 35

FINAL

!!! TEST SEQUENCE PASSED !!!





1. 国家 Country	2. 中国民用航空总局 CAAC	<input type="checkbox"/> 符合性 Conformity	<input checked="" type="checkbox"/> 适航性 Airworthiness	3. 证书编号 Certificate Ref. No.		
中国 China	AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG			2020008020874Y05 339193288		
4. 单位 Organization	Honeywell International Inc. 11100 North Oracle Road Tucson, AZ 85737			5. 工作单/合同单/货单 Work Order/Contract/Invoice R373877 339183135 Page 1 of 1		
6. 序号 Item	7. 内容 Description	8. 件号 Part No.	9. 适用性 Eligibility	10. 数量 Qty	11. 系列号/批号 Serial/Batch No.	12. 产品状态 Status/Work
001	LOGIC AND SPEED CONTROL UNIT	2119804-4	NOT KNOWN	1	75-A1155	INSPECTED / TESTED
13. 备注 Remarks THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH: CMM 29-11-06 REV: 8, JUL/24/2017. FOR TIME AND CYCLE INFORMATION, PLEASE SEE ATTACHED CAPE REPORT, IF APPLICABLE. THIS DOCUMENT HAS BEEN ISSUED ACCORDING TO AN APPROVED COMPUTER GENERATED SIGNATURE PROCEDURE.						
SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED						
14. 新产品 New Parts		15. 使用过的产品 Used Parts				
兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例进行制造/检查, 并且该产品(出口产品)符合经批准的型号设计资料和进口国提出的专用要求。 Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and/or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country.		兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例和进口国通知的特殊要求进行了工作, 该产品处于安全可用状态可以批准放行使用。 Certifies that the work specified above except as specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work, the part(s) is(are) in condition for safe operation and considered ready for release to service. (over)				
16. 批准人签名 Signature 		18. 批准日期 Date MAR/26/2020		19. 中国民航总局授权 Issued by or on behalf of the CAAC F00100142		
17. 批准人姓名 (打印的) Name (Printed)		John Wells				